

IN THE ABSTRACT OF THE DISCLOSURE:

Please replace the Abstract of the Disclosure with the rewritten Abstract of the Disclosure located on a separate sheet attached hereto.

IN THE SPECIFICATION:

Please amend the specification as follows:

Before line 1, insert --This application is the national phase under 35 U.S.C. § 371 of PCT International Application No. PCT/FR00/02398 which has an International filing date of August 29, 2000, which designated the United States of America.--

IN THE CLAIMS:

Please amend the claims as follows:

3. (Amended) Method according to claim 1 or 2, characterized in that said light rays are converted into analogue electrical signals, and in that these said analogue electrical signals are converted into digital electrical signals.

4. (Amended) Method according to claim 1, characterized in that it comprises amplifying at least one portion of said electrical signals according to a predetermined function.

5. (Amended) Apparatus for accomplishing the method according to claim 1, characterized in that it comprises:

a source (1), which is capable of emitting a bundle of X-rays towards said tooth (4) and its surrounding area (5),

a plurality of cylindrical rods (10), which are produced from a material capable of transforming the X-rays into light rays (11) of a wavelength greater than that of the X-rays, each rod comprising an inlet face (12), which is capable of receiving said X-rays, and an outlet face (13), which is capable of emitting said light rays (11), said cylindrical rods (10) being disposed side by side so that all of the inlet faces (12) are turned towards said X-ray source (1),

means (20) for converting light rays (11) into electrical signals,

means (30) for connecting the outlet faces (13) of the cylindrical rods to said means (20) for converting light rays into electrical signals comprising a bundle of optical fibres, and

means (70) for processing said electrical signals with a view to producing said radiographic image.

11. (Amended) Apparatus according to claim 5, characterized in that the means (70) for processing said electrical signals with a view to producing said radiographic image comprise at least one of the following elements: a temporary memory, a permanent memory or a converter for converting electrical signals into video signals which are capable of being displayed on a screen.

12. (Amended) Apparatus according to claim 5, characterized in that said cylindrical rods (10) are produced from caesium iodide crystal.

14. (Amended) Apparatus according to claim 5, characterized in that said cylindrical rods (10) are in contact with one another to form a mosaic.

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